1963 RQ Log File

JOINT MESSAGEFORM

SECURITY CLASSIFICATION [redacted]

CLASSIFICATION CHANGED TO [redacted] L IX

By authority of AFR 205-2

By [illegible] 12 APR 1963

cy #3 of 5

ACTION / INFO	ROUTE	INITIALS	SYMBOL	ACCOUNTING SYMBOL	ORIG. OR REFER TO	CLASSIFICATION OF REFERENCE

FROM:
6595 TH AEROSPACE TEST WG, VANDENBERG AFB, CALIF.

SPECIAL INSTRUCTIONS

TO: SPACE SYSTEMS DIV LOSA CALIF.
VW ZD-4-1-5

SUBJECT: 8-HOUR FLASH REPORT

1. SUMMARY

A VEHICLE CONSISTING OF SLV-2 BOOSTER NO. 369 AND S-01A ORBITAL STAGE NO. 1157 WAS LAUNCHED ON THE FIRST ATTEMPT FROM VAFB COMPLEX 75-1, PAD 1, AT 1309:49.06 PST ON 7 JANUARY 1963. THE PRIMARY LAUNCH OBJECTIVE, TO PLACE THE S-01A SATELLITE WITH PAYLOAD IN A NEAR-POLAR ORBIT, WAS ACCOMPLISHED. INJECTION CONDITIONS FROM THE VTS RADAR PLOTBOARD WERE NOT AVAILABLE DUE TO RADAR FADE APPROXIMATELY 25 SEC BEFORE S-01A ENGINE CUTOFF, HOWEVER UP TO THE TIME OF RADAR LOSS, THE ASCENT TRAJECTORY CLOSELY FOLLOWED THE PREPDOT. THE ORBITAL PERIOD ATTAINED APPEARS TO BE NEAR-NOMINAL, BASED ON FIRST PASS ACQUISITION.

DOWNGRADE AT 3 YEAR INTERVALS; DECLASSIFIED AFTER 12 YEARS. DOD DIR 5200.10

DATE 7 | TIME 02202
MONTH JAN | YEAR 63

AUTHOR	SYMBOL	SIGNATURE
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	PHONE 866-5831	PAGE NO. 1	NR. OF PAGES
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RELEASER: TYPED (or stamped) NAME AND TITLE

DD FORM 1 MAY 58 173 REPLACES DD FORM 172, 1 OCT 48, WHICH WILL BE USED UNTIL EXHAUSTED

JOINT MESSAGEFORM - CONTINUATION SHEET

SECURITY CLASSIFICATION

[redacted]

	ZERO
	92.31 SEC
	149.39 SEC
	150.37 SEC
	154.41 SEC
	157.13 SEC
	158.50 SEC
	159.69 SEC
	163.62 SEC
	164.17 SEC
	166.4 SEC
	184.64 SEC
	194.64 SEC
	195.78 SEC
	437.28 SEC
	484 SEC
	412 SEC
	467 SEC
	475 SEC

SYMBOL | PAGE NO. | NR OF | SECURITY CLASSIFICATION | INITIALS

DD FORM 173-1 MAY 86

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[redacted]

III. SLV-2 PERFORMANCE

ALL BOOSTER SYSTEMS PERFORMED SATISFACTORILY AND THE RANGE SAFETY GUIDANCE SYSTEM COMMANDED PROVIDED THE REQUIRED COAST APOGEE CONDITIONS.

GROUND GUIDANCE SYSTEM DATA INDICATE THAT BOOSTER COAST APOGEE ALTITUDE WAS 106.95 NM (NOMINAL: 106.91 NM) AND THE VELOCITY WAS 9956 FPS (NOMINAL: 9967 FPS).

IV. S-01A PERFORMANCE

ALL S-01A VEHICLE SYS- SYSTEMS PERFORMED SATISFACTORILY DURING LAUNCH TO PROVIDE ADEQUATE TRAJECTORY CONDITIONS FOR [redacted] INJECTION AT ENGINE SHUTDOWN.

AT THE TIME OF SIGNAL FADE AT VTS, ALL VEHICLE SUBSYSTEMS WERE FUNCTIONING NORMALLY, AND THE ORBITAL TIMER WAS SET AT 5413 SEC (STEP 19) IN THE KEEP-ON POSITION, IN THE INCREASE MODE, AND ALTERNATE RE-ENTRY DISARM STATE.

V. AEROSPACE GROUND EQUIPMENT

IN GENERAL, THE AEROSPACE GROUND EQUIPMENT PERFORMED SATISFACTORILY. DURING S-01 FUEL LOADING, [redacted] LEAKED FROM A HARDLINE FITTING IN THE MAST FUEL SUPPLY LINE AT ONE DROP PER 5 SEC. [redacted] PROBLEM WAS ENCOUNTERED.

JOINT MESSAGE FORM – CONTINUATION SHEET

SECURITY CLASSIFICATION

[redacted]

VI. COUNTDOWN

THE X-RAY WAS CONDUCTED ON TIME. A 2 MIN COUNTDOWN HOLD AT T-9 MIN WAS EXTENDED TO 4 MIN 45 SEC DURATION TO ALLOW FOR WINDOW-ONE TECHNICAL HOLD OF 4 MIN 45 SEC DURATION WAS IMPOSED DURING PHASE II (T-11 MIN) IN ORDER TO SEND PERSONNEL TO THE PAD TO ADJUST THE GAC AGE GAS SUPPLY PRESSURE REGULATOR. THE COUNTDOWN WAS RECYCLED TO START OF TERMINAL COUNTDOWN. IN ADDITION THE FOLLOWING PROBLEMS OR DELAYS WERE ENCOUNTERED:

1) TAKE 3 WAS EXTENDED 54 MIN DUE TO PAYLOAD MECHANICAL MATING PROBLEMS.

2) THE TELEMETRY MEASUREMENT OF AGENA GUIDANCE GAS TEMPERATURE (P79) WAS INOPERATIVE DURING THE COUNTDOWN AND LAUNCH.

3) A SMALL FUEL LEAK OCCURRED IN THE LMSC MAIN PROPELLANT VALVE DURING THE PROPELLANT LOADING OPERATION AND CAUSED AN INDICATION ON LEAK DETECTOR MONITORS.

VII. PAD DAMAGE

PAD DAMAGE WAS NORMAL AND THE RECOVERY SCHEDULE CAN BE MAINTAINED.

SYMBOL | PAGE [redacted] | INITIALS

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